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CLAIMS:

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- 1. A catheter handle comprising:
- a handle housing having proximal and distal ends and a generally hollow interior;
- a first moveable member having a proximal end mounted in the interior of the handle housing and a distal end extending outside the handle housing, the first moveable member being longitudinally moveable relative to the handle housing;
- a second moveable member mounted in the interior of the handle housing and longitudinally moveable relative to the handle housing; and
- a rotatable member mounted on the handle housing, whereby rotation of the rotatable member causes longitudinal movement of the second moveable member.
- 2. The catheter handle of claim 1, wherein the first moveable member and second moveable member are capable of simultaneously moving proximally relative to the handle housing.
- 3. The catheter handle of claim 1, wherein the second moveable member is not rotatably moveable relative to the handle housing.
- 4. The catheter handle of claim 1, further comprising a thumb control mounted at or near the distal end of the first moveable member.
- 5. The catheter handle of claim 1, wherein the rotatable member has a threaded inner surface that mates with a threaded surface of the second moveable member.
- 6. The catheter handle of claim 5, further comprising a core mounted in the interior of the handle housing, the core having a longitudinal slot therethrough in which the second moveable member is slidably mounted.
- 7. The catheter handle of claim 1, further comprising a core mounted in the interior of the handle housing, the core having a longitudinal slot therethrough in which the second moveable member is slidably mounted.

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- 8. The catheter handle of claim 7, wherein the core has a lumen extending through at least a portion of the length of the core.
- 9. The catheter of claim 7, wherein the first moveable member is generally tubular and is mounted in surrounding relation to a portion of the core.
- 10. The catheter handle of claim 1, wherein the handle housing is generally tubular and the rotatable member extends around the entire circumference of the handle housing.

11. A catheter handle comprising:

- a handle housing having proximal and distal ends and a generally hollow interior;
- a core mounted in the interior of the handle housing, the core having a longitudinal slot therethrough;
- a first moveable member having a proximal end mounted in the interior of the handle housing and a distal end extending outside the handle housing, the first moveable member being longitudinally moveable relative to the handle housing;
- a second moveable member mounted in the longitudinal slot of the core and longitudinally moveable relative to the core and handle housing, the second moveable member having a threaded surface; and
- a rotatable member mounted on the handle housing and having a threaded inner surface that mates with the threaded surface of the second moveable member, whereby rotation of the rotatable member causes longitudinal movement of the second moveable member;

wherein the first moveable member and second moveable member are capable of simultaneously moving proximally relative to the handle housing.

12. A catheter comprising:

an elongated, flexible catheter body having proximal and distal ends and a lumen extending therethrough;

an intermediate section at the distal end of the catheter body having proximal and distal ends and first and second off-axis lumens extending therethrough;

a handle according to claim 1 mounted at the proximal end of the catheter body, whereby the catheter body is attached to the handle housing;

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a first puller wire extending through the catheter body and first off-axis lumen of the intermediate section, having a proximal end anchored to the first moveable member of the handle, and having a distal end anchored at or near the distal end of the catheter; and

a second puller wire extending through the catheter body and second off-axis lumen of the intermediate section, having a proximal end anchored to the second moveable member of the handle, and having a distal end anchored at or near the distal end of the catheter.

- 13. The catheter of claim 12, wherein the distal end of the first puller wire is anchored to the intermediate section.
- 14. The catheter of claim 12, further comprising a generally circular mapping assembly mounted on distal end of the intermediate section and having proximal and distal ends and an off-axis lumen extending therethrough, wherein the distal end of the second puller wire extends through the off-axis lumen of the mapping assembly and is anchored at or near the distal end of the mapping assembly.
- 15. The catheter of claim 12, wherein the first moveable member and second moveable member are capable of simultaneously moving proximally relative to the handle housing.
- 16. The catheter of claim 12, wherein the rotatable member has a threaded inner surface that mates with a threaded surface of the second moveable member.
- 17. The catheter of claim 16, wherein the catheter handle further comprises a core mounted in the interior of the handle housing, the core having a longitudinal slot therethrough in which the second moveable member is slidably mounted.
- 30 18. The catheter of claim 12, wherein the catheter handle further comprises a core mounted in the interior of the handle housing, the core having a longitudinal slot therethrough in which the second moveable member is slidably mounted.
 - 19. The catheter of claim 18, wherein the first moveable member is generally tubular and is mounted in surrounding relation to a portion of the core.

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